

WEST Search History

DATE: Thursday, December 15, 2005

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=PGPB,USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L8	L5 and (plastid or chloroplast) [clm]	25
<input type="checkbox"/>	L7	L6 and (plastid or chloroplast) [clm]	19
<input type="checkbox"/>	L6	L5 and homologous recombination	185
<input type="checkbox"/>	L5	L4 and (lox or cre or flp or frt)	236
<input type="checkbox"/>	L4	L3 and transgenic	757
<input type="checkbox"/>	L3	L2 and excis\$	991
<input type="checkbox"/>	L2	L1 and site specific	1690
<input type="checkbox"/>	L1	plastid or chloroplast	7509

END OF SEARCH HISTORY

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NEWS 4 OCT 03 MATHDI removed from STN
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NEWS 6 OCT 13 New CAS Information Use Policies Effective October 17, 2005
NEWS 7 OCT 17 STN(R) AnaVist(TM), Version 1.01, allows the export/download
of CAPplus documents for use in third-party analysis and
visualization tools
NEWS 8 OCT 27 Free KWIC format extended in full-text databases
NEWS 9 OCT 27 DIOGENES content streamlined
NEWS 10 OCT 27 EPFULL enhanced with additional content
NEWS 11 NOV 14 CA/CAPplus - Expanded coverage of German academic research
NEWS 12 NOV 30 REGISTRY/ZREGISTRY on STN(R) enhanced with experimental
spectral property data
NEWS 13 DEC 05 CASREACT(R) - Over 10 million reactions available
NEWS 14 DEC 14 2006 MeSH terms loaded in MEDLINE/LMEDLINE
NEWS 15 DEC 14 2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER
NEWS 16 DEC 14 CA/CAPplus to be enhanced with updated IPC codes

NEWS EXPRESS DECEMBER 02 CURRENT VERSION FOR WINDOWS IS V8.01,
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=> s plastid or chloroplast
L1 83130 PLASTID OR CHLOROPLAST

=> s l1 and site specific
L2 266 L1 AND SITE SPECIFIC

=> s l2 and transgenic
L3 48 L2 AND TRANSGENIC

=> dup rem l3
PROCESSING COMPLETED FOR L3
L4 35 DUP REM L3 (13 DUPLICATES REMOVED)

=> d 1-10 ti

L4 ANSWER 1 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
TI Unidirectional **site-specific** integration system for
integrating a nucleic acid into the genome of a target cell

L4 ANSWER 2 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
TI Phage phiC31 integrase: a new tool in **plastid** genome engineering

L4 ANSWER 3 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
TI Removal of heterologous sequences, such as selectable marker genes, from
plastid genome by transiently expressed **site-**
specific recombinases in higher plants

L4 ANSWER 4 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
TI Plant transformation with in vivo assembly of a sequence of interest

L4 ANSWER 5 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
TI Method of controlling cellular process in plants by externally applied
signal

L4 ANSWER 6 OF 35 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2005) on STN
TI A novel approach to **plastid** transformation utilizes the phiC31
phage integrase.

L4 ANSWER 7 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
TI Selection of **transgenic** organisms by selecting for loss of a
growth inhibiting marker gene

L4 ANSWER 8 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
TI Method for the transformation of vegetable plastids

L4 ANSWER 9 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
TI Stable transformation of plants by integration of transforming DNA into
the **plastid** genome by homing nuclease-mediated homologous

recombination

- L4 ANSWER 10 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
TI High level expression of immunogenic proteins in the plastids of higher plants and use thereof

=> d 11-20 ti

- L4 ANSWER 11 OF 35 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN

TI Identification of functional lox sites in the plastid genome.

- L4 ANSWER 12 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1

TI Expression of the B subunit of E. coli heat-labile enterotoxin in the chloroplasts of plants and its characterization

- L4 ANSWER 13 OF 35 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 2

TI Marker-free transgenic plants.

- L4 ANSWER 14 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 3

TI Chloroplast Transformation in Oilseed Rape

- L4 ANSWER 15 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN

TI Antibiotic resistance genes in transgenic plants: their origins, undesirability and technologies for their elimination from genetically modified crops

- L4 ANSWER 16 OF 35 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN

TI The plastid clpP1 protease gene is essential for plant development.

- L4 ANSWER 17 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN

TI Methods of enhancing and optimizing expression of exogenes in transgenic plants

- L4 ANSWER 18 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN

TI Construction of bicistronic-transgene expression vectors containing internal ribosome entry site (IRES) regulated selectable marker for transgenic plants

- L4 ANSWER 19 OF 35 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 4

TI Analysis of chloroplast transformed tobacco plants with cry1Ia5 under rice psbA transcriptional elements reveal high level expression of Bt toxin without imposing yield penalty and stable inheritance of transplastome.

- L4 ANSWER 20 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN

TI Site-specific integration of insect-resistant gene into chloroplast genome of oilseed rape and acquisition of transgenic plants

=> d 21-30 ti

- L4 ANSWER 21 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 5
TI Positive, negative and marker-free strategies for **transgenic** plant selection
- L4 ANSWER 22 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
TI Excision of selection marker gene in **transgenic** plant for reducing health and environment risk
- L4 ANSWER 23 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
TI Inducible **site-specific** recombination for the activation and removal of transgenes in **transgenic** plants
- L4 ANSWER 24 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
TI **Site-specific** recombination system to manipulate the **plastid** genome of higher plants
- L4 ANSWER 25 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
TI Removal of antibiotic resistance genes from **transgenic** tobacco plastids. [Erratum to document cited in CA135:14859]
- L4 ANSWER 26 OF 35 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 6
TI Efficient elimination of selectable marker genes from the **plastid** genome by the CRE-lox **site-specific** recombination system.
- L4 ANSWER 27 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 7
TI Edited transcripts compete with unedited mRNAs for trans-acting editing factors in higher plant chloroplasts
- L4 ANSWER 28 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
TI Removal of antibiotic resistance genes from **transgenic** tobacco plastids
- L4 ANSWER 29 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN
TI Green fluorescent protein expression constructs for use as a screenable marker for plant transformation
- L4 ANSWER 30 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 8
TI A heterologous maize rpoB editing site is recognized by **transgenic** tobacco chloroplasts

=> d 31-35 ti

- L4 ANSWER 31 OF 35 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN
TI In vivo dissection of cis-acting determinants for **plastid** RNA editing.
- L4 ANSWER 32 OF 35 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN
TI **Site-specific** factor involved in the editing of the psbL mRNA in tobacco plastids.
- L4 ANSWER 33 OF 35 AGRICOLA Compiled and distributed by the National

Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
(2005) on STN

TI Introduction of a heterologous editing site into the tobacco **plastid** genome: the lack of RNA editing leads to a mutant phenotype.

L4 ANSWER 34 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN

TI Evidence for T-DNA mediated gene targeting to tobacco chloroplasts

L4 ANSWER 35 OF 35 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
(2005) on STN DUPLICATE 9

TI GT-1 binding site confers light responsive expression in **transgenic** tobacco.

=> s l1 and recombinase

L5 21 L1 AND RECOMBINASE

=> dup rem l5

PROCESSING COMPLETED FOR L5

L6 15 DUP REM L5 (6 DUPLICATES REMOVED)

=> d 1-10 ti

L6 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN

TI Removal of heterologous sequences, such as selectable marker genes, from **plastid** genome by transiently expressed site-specific recombinases in higher plants

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(2005) on STN DUPLICATE 1

TI A novel approach to **plastid** transformation utilizes the phiC31 phage integrase.

L6 ANSWER 3 OF 15 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

TI **Plastid** transformation in higher plants.

L6 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 2

TI Generation of marker-free **plastid** transformants using a transiently cointegrated selection gene

L6 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN

TI Method for enhancing plant **plastid** transformation efficiency using procaryotic **recombinase** gene recA

L6 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN

TI Method for the transformation of vegetable plastids

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(2005) on STN DUPLICATE 3

TI Identification of functional lox sites in the **plastid** genome.

L6 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN

TI Double D-loop formation in duplex nucleic acid with **recombinase** and modified oligonucleotides and applications

L6 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN

TI Use of integrases to promote the insertion of foreign DNA into the plastid genome

L6 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN

TI Construction of bicistronic-transgene expression vectors containing internal ribosome entry site (IRES) regulated selectable marker for transgenic plants

=> d 3 ab

L6 ANSWER 3 OF 15 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AB Plastids of higher plants are semi-autonomous organelles with a small, highly polyploid genome and their own transcription-translation machinery. This review provides an overview of the technology for the genetic modification of the plastid genome including: vectors, marker genes and gene design, the use of gene knockouts and over-expression to probe plastid function and the application of site-specific recombinases for excision of target DNA. Examples for applications in basic science include the study of plastid gene transcription, mRNA editing, photosynthesis and evolution. Examples for biotechnological applications are incorporation of transgenes in the plastid genome for containment and high-level expression of recombinant proteins for pharmaceutical and industrial applications. Plastid transformation is routine only in tobacco. Progress in implementing the technology in other crops is discussed.

=> d 3 so

L6 ANSWER 3 OF 15 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
SO Annual Review of Plant Biology, (2004) Vol. 55, pp. 289-313.
CODEN: ARPBEX. ISSN: 1040-2519.

=> d 3 au

L6 ANSWER 3 OF 15 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AU Maliga, Pal [Reprint Author]

=> d 11-15 ti

L6 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN

TI Inducible site-specific recombination for the activation and removal of transgenes in transgenic plants

L6 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN

TI Site-specific recombination in plant cell plastids via transit peptide-recombinase fusion expression

L6 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN

TI Site-specific recombination system to manipulate the plastid genome of higher plants

L6 ANSWER 14 OF 15 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

TI Efficient elimination of selectable marker genes from the plastid genome by the CRE-lox site-specific recombination system.

L6 ANSWER 15 OF 15 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN
DUPLICATE 4

TI The chloroplast-located homolog of bacterial DNA recombinase.

=> s ((maliga p?) or (maliga, p?))/au
L7 438 ((MALIGA P?) OR (MALIGA, P?))/AU

=> s l7 and (chloroplast or plastide)
L8 135 L7 AND (CHLOROPLAST OR PLASTIDE)

=> del l8 y

=> s l7 and (chloroplast or plastid)
L8 269 L7 AND (CHLOROPLAST OR PLASTID)

=> s l8 and (site specific or recombinase)
L9 26 L8 AND (SITE SPECIFIC OR RECOMBINASE)

=> dup rem l9
PROCESSING COMPLETED FOR L9
L10 12 DUP REM L9 (14 DUPLICATES REMOVED)

=> d 1-12 ti

L10 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN

TI Removal of heterologous sequences, such as selectable marker genes, from plastid genome by transiently expressed site-specific recombinases in higher plants

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TI A novel approach to plastid transformation utilizes the phiC31 phage integrase.

L10 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 2

TI Plastid transformation in higher plants

L10 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN

TI High level expression of immunogenic proteins in the plastids of higher plants and use thereof

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TI Identification of functional lox sites in the plastid genome.

L10 ANSWER 6 OF 12 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 4

TI The plastid clpP1 protease gene is essential for plant development.

L10 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN

TI Use of integrases to promote the insertion of foreign DNA into the plastid genome

L10 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 5

TI Engineering the plastid genome of higher plants

L10 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN

TI **Site-specific** recombination system to manipulate the plastid genome of higher plants

L10 ANSWER 10 OF 12 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 6

TI Efficient elimination of selectable marker genes from the **plastid** genome by the CRE-lox **site-specific** recombination system.

L10 ANSWER 11 OF 12 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 7

TI **Site-specific** factor involved in the editing of the psbL mRNA in tobacco plastids.

L10 ANSWER 12 OF 12 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 8

TI Introduction of a heterologous editing site into the tobacco **plastid** genome: the lack of RNA editing leads to a mutant phenotype.

=> s ((corneille s?) or (corneille, s?))/au
L11 23 ((CORNEILLE S?) OR (CORNEILLE, S?))/AU

=> s l11 and (plastid or choloroplast)
L12 13 L11 AND (PLASTID OR CHOLOROPLAST)

=> dup rem l12
PROCESSING COMPLETED FOR L12
L13 6 DUP REM L12 (7 DUPLICATES REMOVED)

=> d 1-6 ti

L13 ANSWER 1 OF 6 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 1

TI A novel approach to **plastid** transformation utilizes the phiC31 phage integrase.

L13 ANSWER 2 OF 6 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 2

TI Identification of functional lox sites in the **plastid** genome.

L13 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

TI Use of integrases to promote the insertion of foreign DNA into the **plastid** genome

L13 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

TI **Site-specific** recombination system to manipulate the **plastid** genome of higher plants

L13 ANSWER 5 OF 6 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 3

TI Efficient elimination of selectable marker genes from the **plastid** genome by the CRE-lox site-specific recombination system.

L13 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 4

TI Conservation of RNA editing between rice and maize plastids: are most editing events dispensable?

=> s l11 and (plastid or chloroplast)'
 MISMATCHED QUOTE 'LOROPLAST)''
 Quotation marks (or apostrophes) must be used in pairs, one before and one after the expression you are setting off or masking.

=> s l11 and (plastid or chloroplast)
 L14 18 L11 AND (PLASTID OR CHLOROPLAST)

=> dup rem l14
 PROCESSING COMPLETED FOR L14
 L15 10 DUP REM L14 (8 DUPLICATES REMOVED)

=> d 1-10 ti

L15 ANSWER 1 OF 10 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 1

TI A novel approach to **plastid** transformation utilizes the phiC31 phage integrase.

L15 ANSWER 2 OF 10 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 2

TI Identification of functional lox sites in the **plastid** genome.

L15 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

TI Tobacco chloroplasts as a platform for vaccine production

L15 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

TI Use of integrases to promote the insertion of foreign DNA into the **plastid** genome

L15 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

TI Site-specific recombination system to manipulate the **plastid** genome of higher plants

L15 ANSWER 6 OF 10 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

TI Chloroplasts for the production of recombinant proteins.

L15 ANSWER 7 OF 10 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 3

TI Efficient elimination of selectable marker genes from the **plastid** genome by the CRE-lox site-specific recombination system.

L15 ANSWER 8 OF 10 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 4

TI Conservation of RNA editing between rice and maize plastids: are most editing events dispensable?

L15 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
TI Reduction of the plastoquinone pool by exogenous NADH and NADPH in higher plant chloroplasts. Characterization of a NAD(P)H-plastoquinone oxidoreductase activity

L15 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
TI Evidence for a migration of ndh genes from the **chloroplast** to the nucleus in black pine

=> d 3 ab

L15 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
AB A review on the advantages of producing vaccines by transgenic expression of foreign proteins in tobacco chloroplasts.

=> d 3 so

L15 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
SO Plant Biotechnology 2002 and Beyond, Proceedings of the IAPTC&B Congress, 10th, Orlando, FL, United States, June 23-28, 2002 (2003), Meeting Date 2002, 397-400. Editor(s): Vasil, Indra K. Publisher: Kluwer Academic Publishers, Dordrecht, Neth.
CODEN: 69DXJS; ISBN: 1-4020-1126-1